

## ABSTRACT OF THE DISCLOSURE

An ink-jet printhead is provided. The ink-jet printhead includes: a substrate, on the rear surface of which a channel having a bottom is formed with a predetermined depth, wherein a plurality of ink feed holes are formed on the bottom of the channel; a nozzle plate which is coupled to a front surface of the substrate and on which a plurality of chamber-orifice complex holes are formed, wherein each chamber-orifice complex hole corresponds to one or more ink feed holes among the plurality of ink feed holes; and a plurality of heaters which is formed on the front surface of the substrate corresponding to the chamber-orifice complex holes, respectively. Accordingly, the ink-jet printhead can effectively increase ink ejection pressure by effectively suppressing a back flow of ink, while providing for a high resolution image by making the volume of a droplet uniform or very small. Further, the ink feed hole is provided for each chamber-orifice complex hole, thereby preventing degradation in the physical strength of the substrate. In particular, the structure of a channel for supplying ink is significantly simplified.